Z~Communications

V950ME17

Rev A1

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Voltage-Controlled Oscillator
Surface Mount Module

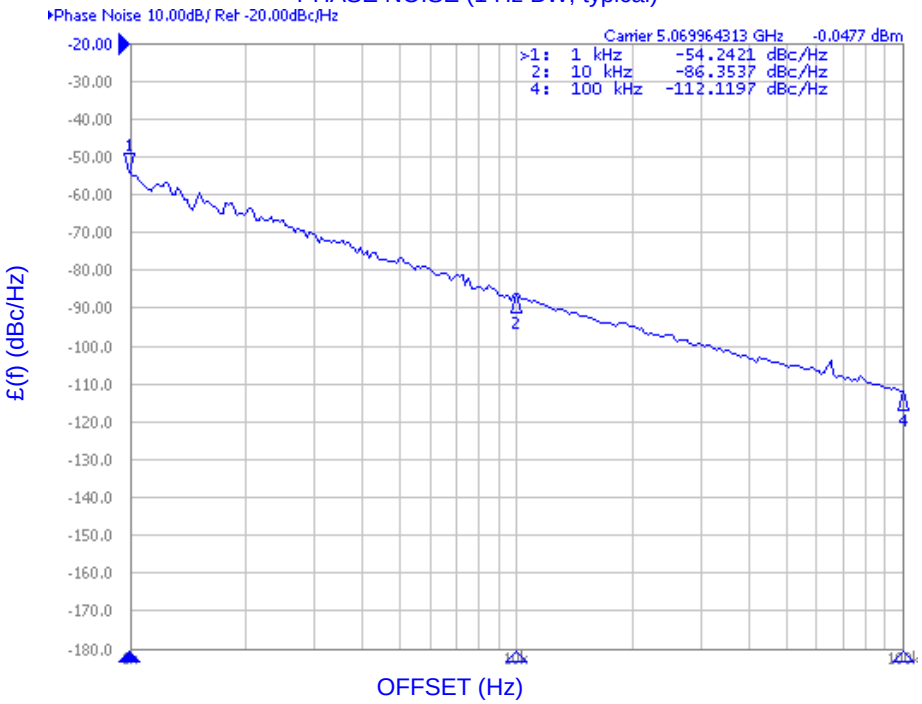
Applications

- Fixed Wireless
- Microwave Radios
-

Application Notes

- AN-101: Mounting and Grounding
- AN-102: Output Loading
- AN-107: Manual Soldering

PHASE NOISE (1 Hz BW, typical)



Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	4770		5370	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-80		dBc/Hz
Harmonic Suppression (2nd)		-20	-18	dBc
Tuning Voltage	1		7	Vdc
Tuning Sensitivity (avg.)		140		MHz/V
Power Output	2	5.5	9	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			7	MHz/V
Pulling (14 dB Return Loss, Any Phase)			35	MHz
Operating Temperature Range	-40		85	°C
Package Style		MINI-14S-L		

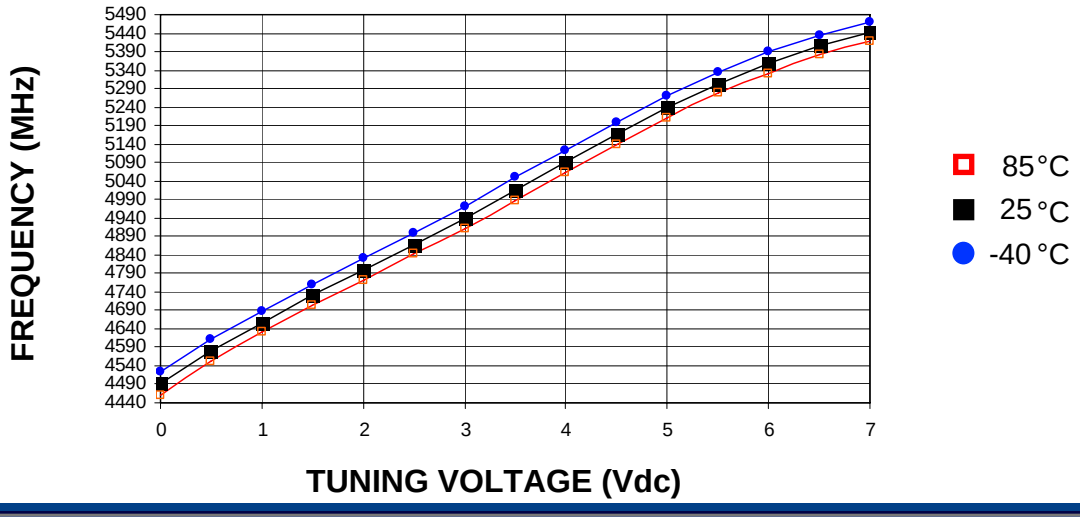
Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		28	34	mA

Additional Notes

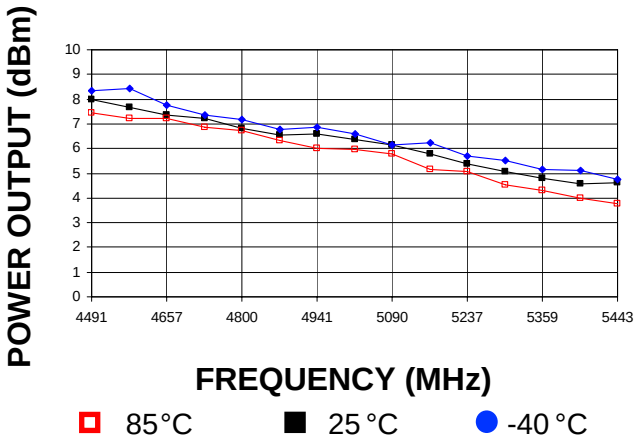
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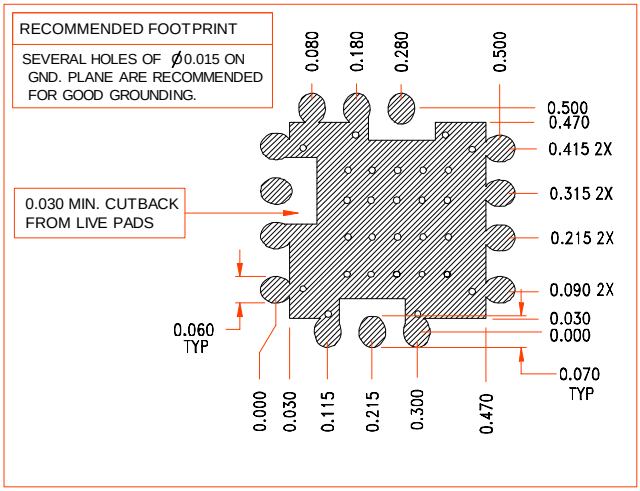
Tuning Curve, typ.



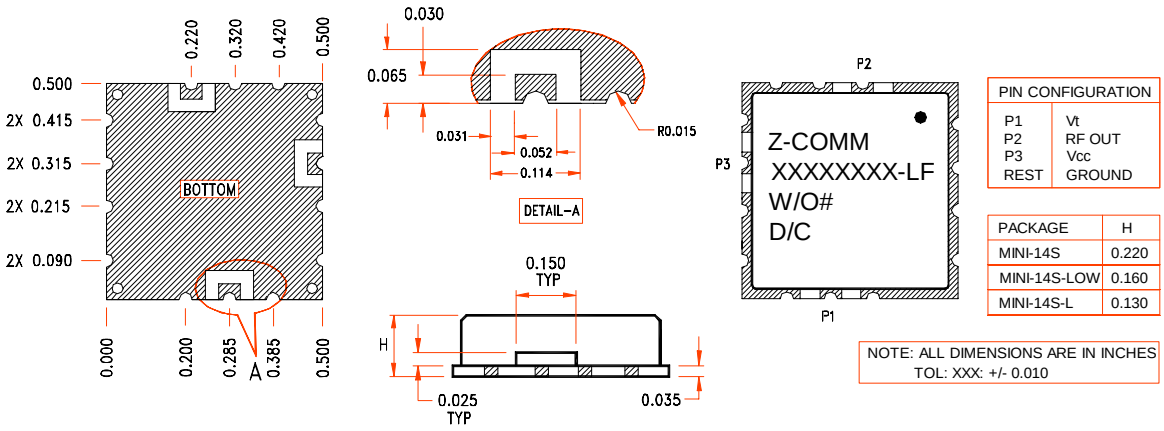
Power Curve, typ.



Footprint



Physical Dimensions



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